

**PROPOSED MHCP
SERVICE CONTOURS**
Television Properties, Inc.
Portsmouth, OH

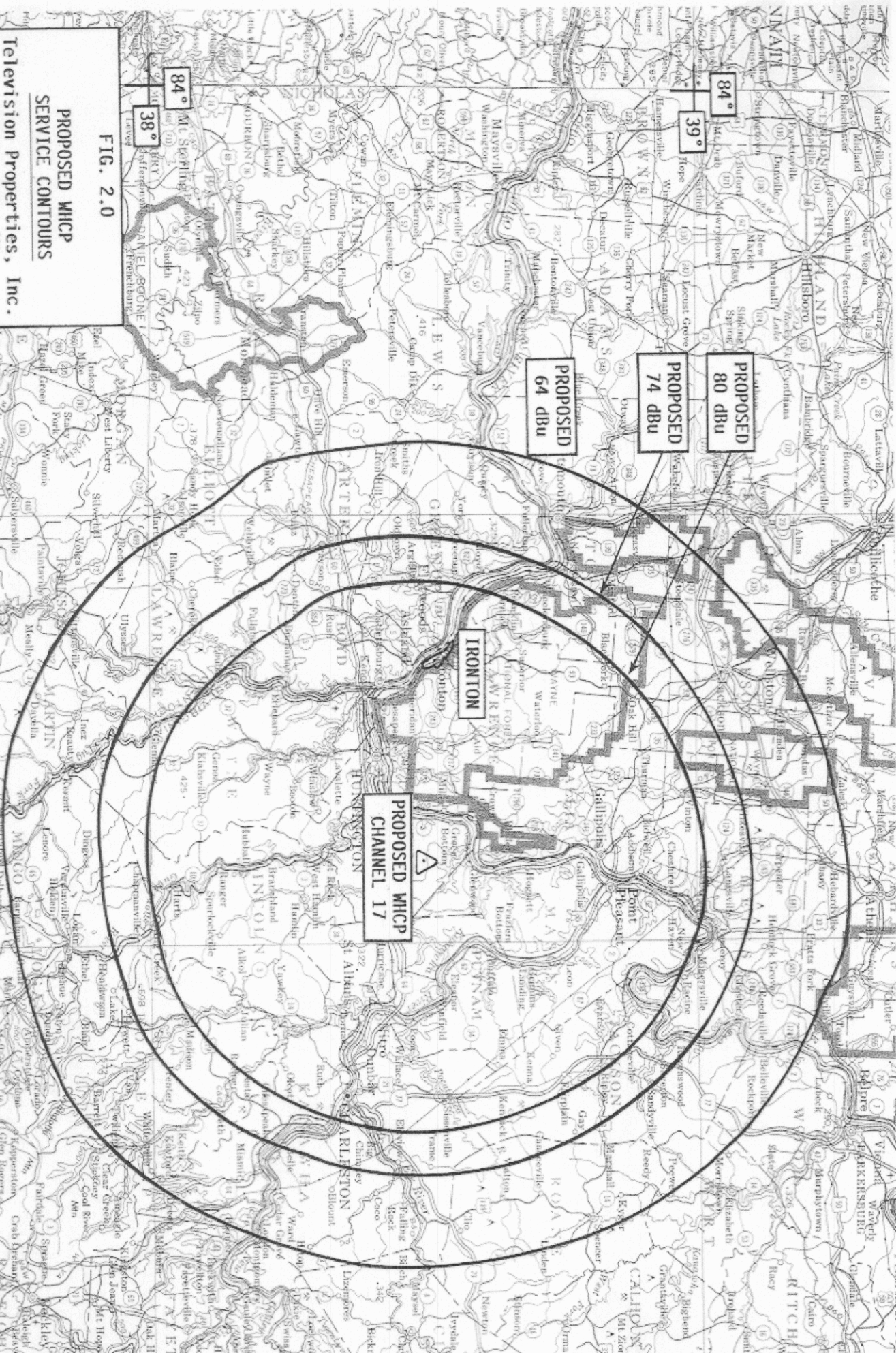
FIG. 2.0

CARL E. SMITH CONSULTING ENGINEERS

2324 N. CLEVELAND RD., BOX 807

BATH, OHIO 44210-0807

330059-4440



**PRESENT AND PROPOSED
MHCPC GRADE B CONTOURS**
Television Properties, Inc.
Portsmouth, OH

FIG. 2.1

CARL E. SMITH CONSULTING ENGINEERS

2234 N CLEVELAND RD., BOX 807
BATH, OHIO 44210-0807
330659-4440

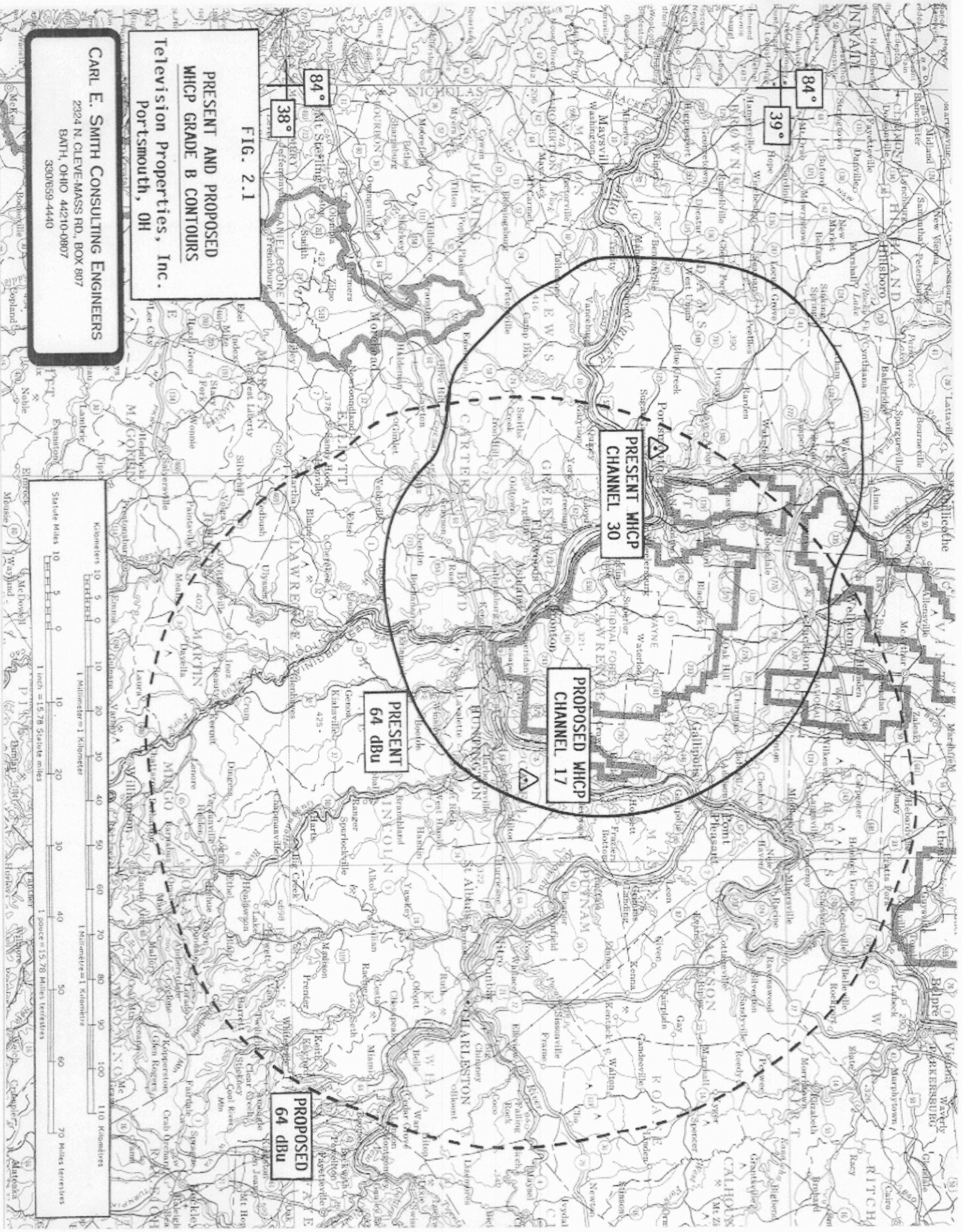


TABLE 2.1
PRESENT AND PROPOSED WHCP(TV)
GRADE B AREA AND POPULATION
Television Properties, Inc.
Portsmouth, OH

	<u>Land Area</u> <u>(Square Kilometers)</u>	<u>Population</u> <u>(2000 Census)</u>
Present	10,557.7	461,881
Gain	15,691.7	519,547
Loss	3,225.1	54,613
Proposed	23,024.3	926,815
Net Gain	12,466.6	464,934

3.0 DTV CHANNEL 30 - IRONTON, OH

The proposed reference site for DTV Channel 30 is located 42.2 kilometers east of Ironton at the following geographic coordinates:

NL - 38° 29' 41"

WL - 82° 12' 03"

The proposed DTV operation from this site would employ a nondirectional effective radiated power of 1000 kilowatts at 336.1 meters above average terrain. Table 3.0 presents a complete tabulation of the pertinent technical parameters for these proposed DTV operating facilities.

Figure 3.0 is a map exhibit depicting the predicted service contours for these proposed Channel 30 DTV facilities in relation to the Ironton city limits. These contours were projected as outlined in Section 73.625(b) of the FCC Rules utilizing the proposed operating facilities outlined in Table 3.0 and terrain data extracted from the NGDC 30 second terrain database. As shown in this figure, the proposed 48 dBu (Principal Community) contour will encompass all of Ironton, as required by Section 73.625(a) of the FCC Rules.

Complete documentation that the proposed Channel 30 DTV operating facilities comply with the protection requirements to all other TV broadcast facilities, both NTSC and DTV, requiring protection consideration, as well as all authorized Class A TV stations requiring protection will be submitted as part of a supplement to the attached rule-making petition.

Figure 3.1 is a map exhibit depicting the predicted 41 dBu (Noise Limited) contour for the Channel 30 DTV facilities proposed herein in relation to both that predicted for

the facilities authorized by the WHCP-DT Channel 17 construction permit and that predicted for the facilities authorized by the original WHCP-DT Channel 17 DTV allotment. Table 3.1 presents detailed data on the present and proposed populations and areas, as well as the associated loss and gain areas when compared to the facilities authorized by the present WHCP-DT construction permit. Similarly, Table 3.2 presents this same area and population data when compared to the facilities authorized by the original WHCP-DT Channel 17 DTV allotment. As shown by this data, when compared to the original Channel 17 DTV allotment, the proposed modifications to the WHCP-DT DTV operating facilities will result in a 141.2% increase in the number of persons to which WHCP-DT provides Noise Limited DTV service and a 133.9% increase in this noise limited population when compared to the facilities authorized by the WHCP-DT construction permit. Complete information regarding the number of other authorized DTV services available to these gain and loss areas will be submitted as part of a supplement to the attached rulemaking petition.

TABLE 3.0

PROPOSED OPERATING FACILITIES
DTV CHANNEL 30 - IRONTON, OH

Television Properties, Inc.
Portsmouth, OH

Power:	1000 kw (30.0 dBk) nondirectional
Antenna Height:	1847.4' (563.1m) MSL 1102.7' (336.1m) AAT
Site Coordinates (NAD27):	NL - 38° 29' 41" WL - 82° 12' 03"

Television Properties, Inc.
Portsmouth, OH

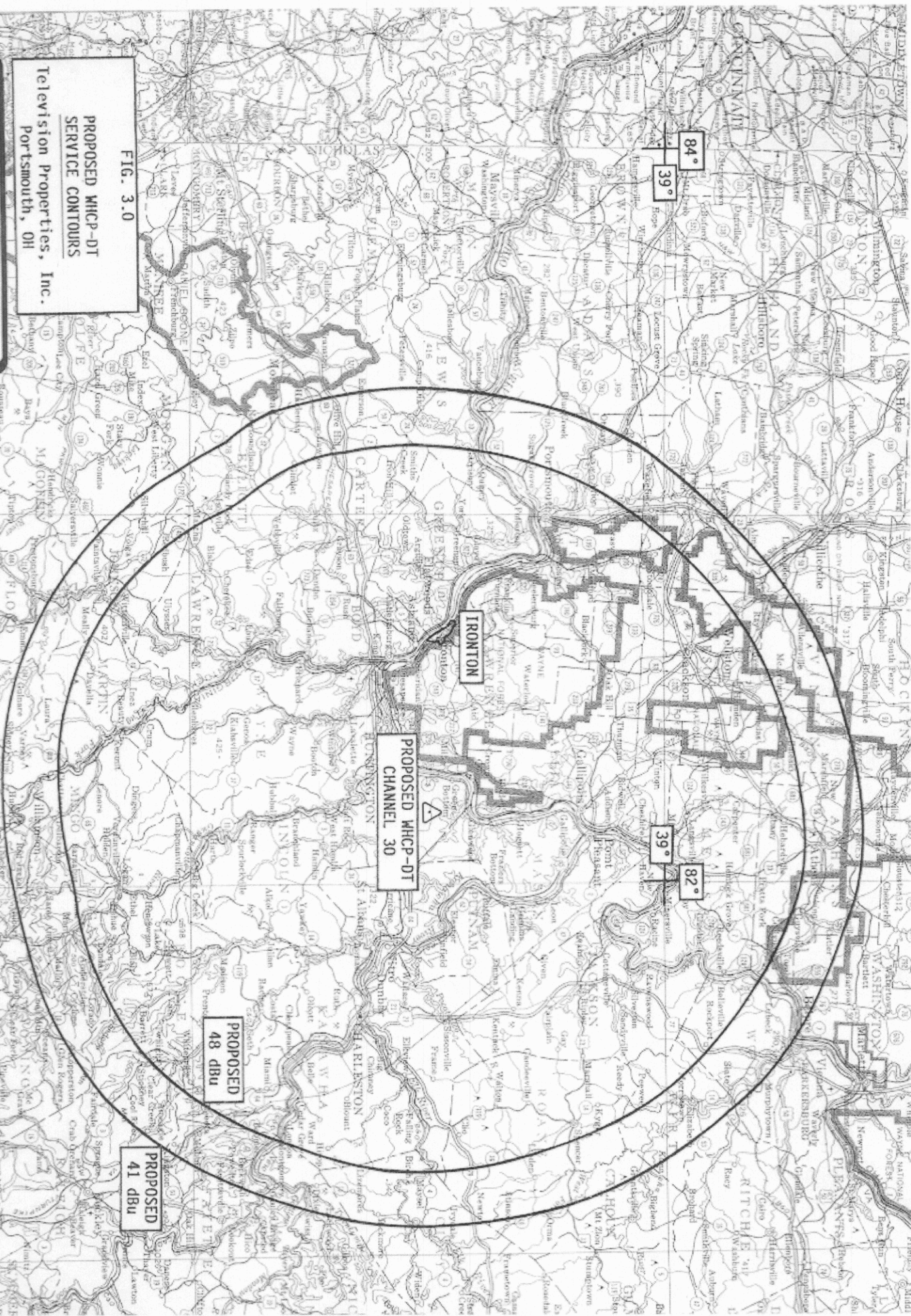
FIG. 3.0

**PROPOSED WHCP-DT
 SERVICE CONTOURS**

CARL E. SMITH CONSULTING ENGINEERS

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 BATH, OHIO 44210-0807

3301559-4440



**PROPOSED WHCP-DT
 CHANNEL 30**

**PROPOSED
 48 dbu**

**PROPOSED
 41 dbu**



**PRESENT AND PROPOSED MHCP-DT
NOISE LIMITED CONTOURS**
Television Properties, Inc.
Portsmouth, OH

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVELAND RD., BOX 807
BATH, OHIO 44210-0807
330/859-4440

FIG. 3.1

84°
38°

84°
39°

41 dbu
(CP)

PRESENT
MHCP-DT
CHANNEL 17

PROPOSED
MHCP-DT
CHANNEL 30

PROPOSED
41 dbu

41 dbu
(DTV ALLOTMENT)

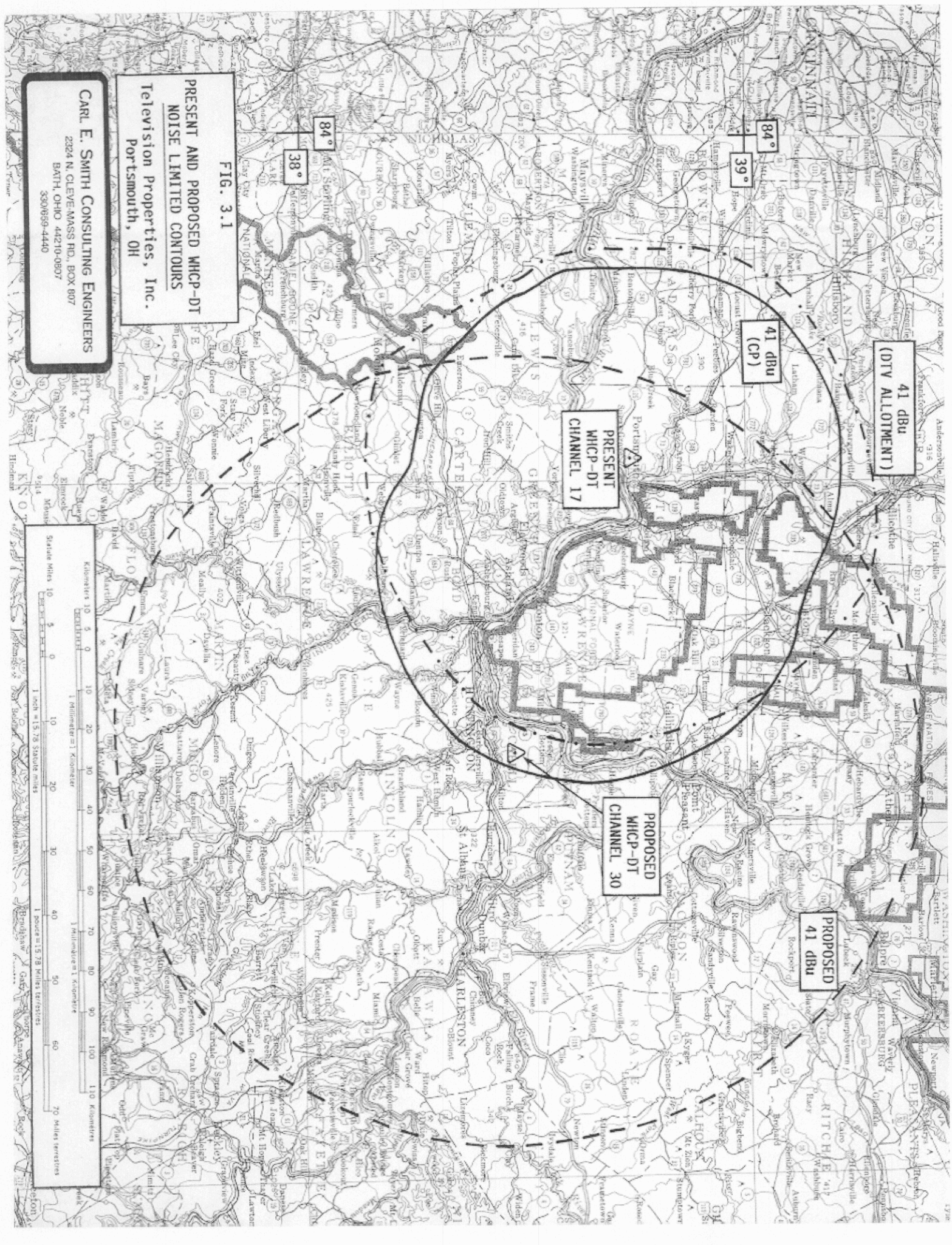
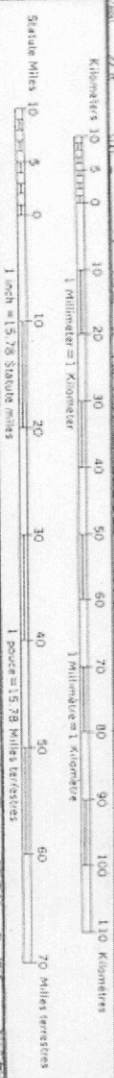


TABLE 3.1

PRESENT AND PROPOSED WHCP-DT
NOISE LIMITED AREA AND POPULATION
(REFERENCED TO DTV CONSTRUCTION PERMIT)

Television Properties, Inc.
Portsmouth, OH

	<u>Land Area</u> <u>(Square Kilometers)</u>	<u>Population</u> <u>(2000 Census)</u>
Present	11,806.8	490,732
Gain	22,367.0	699,356
Loss	2,562.5	42,146
Proposed	31,611.3	1,147,942
Net Gain	19,804.5	657,210

TABLE 3.2
PRESENT AND PROPOSED WHCP-DT
NOISE LIMITED AREA AND POPULATION
(REFERENCED TO DTV ALLOTMENT)
Television Properties, Inc.
Portsmouth, OH

	<u>Land Area</u> <u>(Square Kilometers)</u>	<u>Population</u> <u>(2000 Census)</u>
Present	12,699.2	476,004
Gain	22,551.5	736,432
Loss	3,639.4	64,494
Proposed	31,611.3	1,147,942
Net Gain	18,912.1	671,938